

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P225384

Luminaire Tested: **LD2B10D010 EU2B10FL408035 2LBDC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14834)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL408035 2LBDC*MB
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1027.3 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

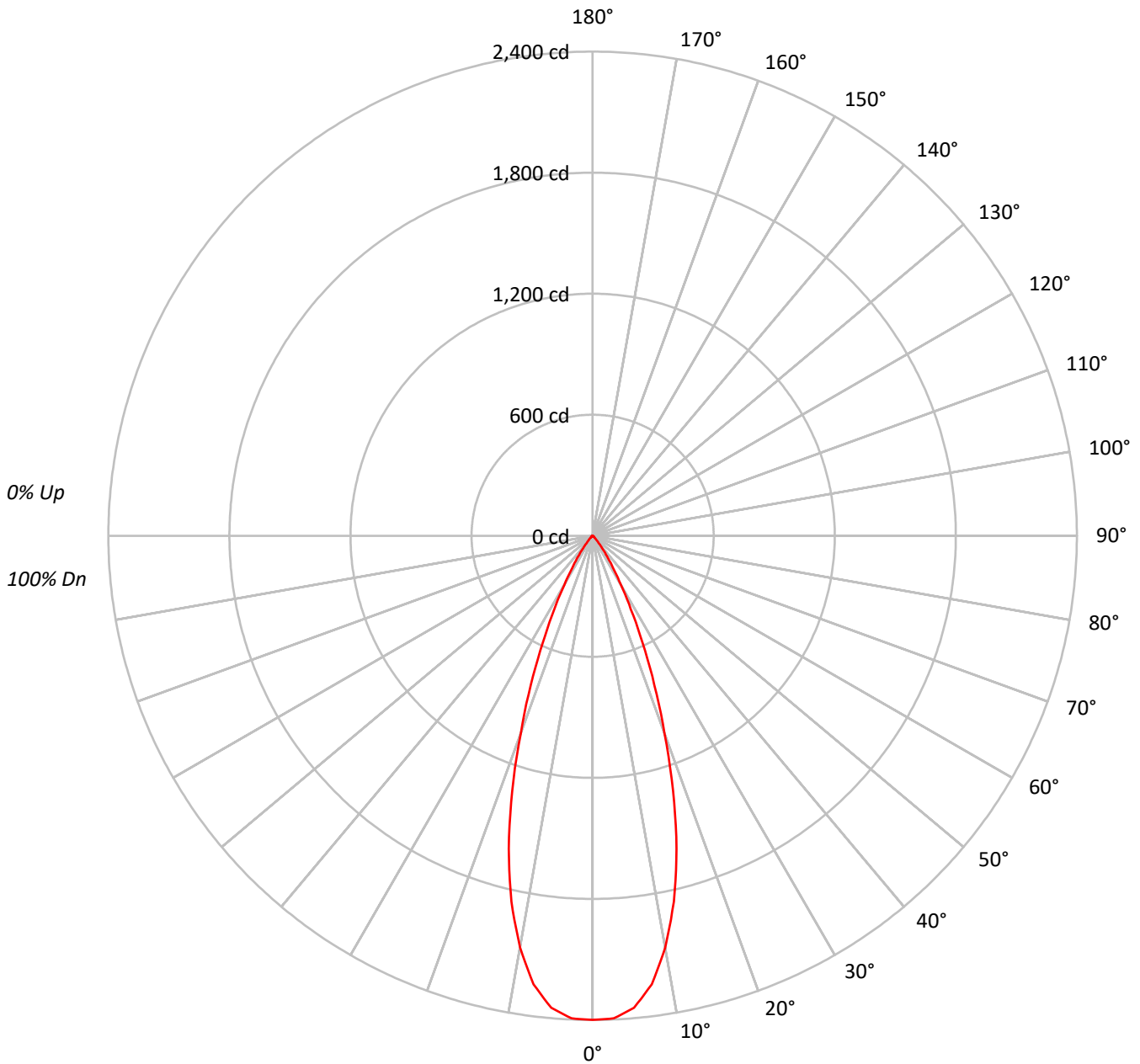
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225384

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P225384

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBDC*MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	96	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	83	83	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79	79	79	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76	76	76	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72	72	72	72
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69	69	69	69
9	84	77	72	69	83	76	72	68	75	71	68	74	71	68	74	70	68	67	67	67	67
10	82	74	69	66	81	73	69	66	73	68	65	72	68	65	71	68	65	64	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	929475
5°	913351
10°	814765
15°	644022
20°	429435
25°	249125
30°	124698
35°	58682
40°	22956
45°	10244
50°	4821
55°	2701
60°	1007
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225384

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	21.0
10°-20°	434.7	42.3
20°-30°	273.4	26.6
30°-40°	83.6	8.1
40°-50°	16.4	1.6
50°-60°	3.7	0.4
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	923.5	89.9
0°-40°	1007.1	98.0
0°-60°	1027.2	100.0
0°-90°	1027.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1027.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2400	
5°	2349	215
15°	1606	435
25°	583	273
35°	124	84
45°	19	16
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225384

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2399.6
2.5°	2394.3
5°	2349.0
7.5°	2242.3
10°	2071.5
12.5°	1858.1
15°	1606.0
17.5°	1325.9
20°	1041.8
22.5°	799.0
25°	582.9
27.5°	410.8
30°	278.8
32.5°	188.1
35°	124.1
37.5°	76.0
40°	45.4
42.5°	29.3
45°	18.7
47.5°	12.0
50°	8.0
52.5°	5.3
55°	4.0
57.5°	2.7
60°	1.3
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)